



Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-03)

Approved for use through 8/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/624,653	
	Filing Date	July 22, 2004	
	First Named Inventor	ELDAD PERAHIA et al.	
	Group Art Unit	Unassigned	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	4	Attorney Docket Number	CISCP828

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (1 page) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return Postcard (1 page) <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO Form 1449 (1 page) Copies of 10 Cited References (pages not included in "Total Number of Pages in This Submission" above)
Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 50-1652.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm and Individual name	RITTER, LANG & KAPLAN LLP Dan H. Lang, Reg. No. 38,531
Signature	
Date	July 6, 2004

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown: July 6, 2004			
Typed or printed name	Anne Currier Carr		
Signature		Date	July 6, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 6, 2004

Attorney Docket No. CISC828
PATENT

Signed: *Arina Currier Carr*

Arina Currier Carr

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ELDAD PERAHIA et al.

Application No.: 10/624,653

Filed: July 22, 2004

For: SPATIAL DIVISION MULTIPLE
ACCESS FOR WIRELESS NETWORKS

Examiner: Unassigned

Group: Unassigned

Date: July 6, 2004

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(c)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-1652 (Order No. CISC828).

RITTER, LANG & KAPLAN LLP
12930 Saratoga Ave., Suite D1
Saratoga, CA 95070
(408) 446-8690
DHL/acc

Respectfully submitted,

Dan H. Lang

Dan H. Lang
Reg. No. 38,531



Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. CISCP828 Application No.: 10/624,653 Inventor Eldad Perahia et al. Group Unassigned Filing Date July 22, 2003 Mailing Date July 6, 2004
--	--

U.S. Patent or Published Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
	A	6,067,290	05/23/00	Paulraj et al.	370	329	07/30/99
	B	6,097,771	08/01/00	Foschini	375	346	07/01/96
	C	6,317,466 B1	11/13/01	Foschini et al.	375	267	04/15/98
	D	6,377,631 B1	04/23/02	Raleigh	375	299	11/05/99
	E	6,721,302 B1	04/13/04	Alastalo	370	346	11/17/00
	F	2003/0072452 A1	04/17/03	Mody et al.	380	274	10/04/02
	G	2003/0076777 A1	04/24/03	Stuber et al.	370	206	09/17/02

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	H	Gurbuz, Ozgur et al., "Media Access Control for MIMO Wireless Network," U.S. Patent Application No. 10/197,300, filed July 15, 2002, 26 pages w/ 9 pages of drawing.
	I	Perahia, Eldad et al., "High Data Rate Wireless Bridging," U.S. Patent Application No. 10/335,500, filed December 31, 2002, 38 pages w/ 6 pages of drawing.
	J	IEEE Standard 802.11a-1999, "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, High-Speed Physical Layer in the 5 GHz Band," September 1999, pages 1-83.

Examiner	Date Considered
----------	-----------------

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.